

# C GALACTURONIC-ACID

## Chemid

GALACTURONICACID

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Fruit	--	360		Wealth of India.
Acacia nilotica	Plant	--	--		--
Althaea officinalis	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Apium graveolens	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Citrus paradisi	Fruit	--	--		--
Citrus sinensis	Fruit	--	--		--
Ficus carica	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Helianthus annuus	Flower	--	--		--
Hibiscus sabdariffa	Flower	--	--		--
Hydrangea paniculata	Bark	--	--		--
Linum usitatissimum	Seed	9000	48489		--

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Malva sylvestris	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Matricaria recutita	Flower	--	750000		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Momordica charantia	Fruit	--	--		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Nicotiana tabacum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Olea europaea	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Opuntia ficus-indica	Stem	--	--	--	
Panax quinquefolius	Plant	--	--	--	
Phoenix dactylifera	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Prunus cerasus	Fruit	--	--	--	
Pteridium aquilinum	Plant	--	--	--	
Quillaja saponaria	Bark	--	--	--	
Sinapis alba	Seed	--	--	--	
Tamarindus indica	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Theobroma cacao	Plant	--	--	--	

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Ulmus rubra	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Viola tricolor	Plant	--	--	--	--
Vitis vinifera	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.